

**Notice of Allowability**

Application No.

10/707,012

Examiner

Vincent E. Kovalick

Applicant(s)

HU ET AL.

Art Unit

2629

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment dated 1/25/07.
2. ☒ The allowed claim(s) is/are 1-3, 7-9, 13-16 and 18-19 (re-numbered 1-12).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

## DETAILED ACTION

### *Response to Amendment*

1. This Office Action is in response to Applicant's Amendment dated January 25, 2007 in response to USPTO Non-Final Office Action dated October 30, 2006.

The cancellation of claims 4-6, 10-12 and 17; the amendments to independent claims 1, 7 and 13 now incorporating the 'objected to' limitation of cancelled claims 6 and 12 in said independent claims 1, 7 and 13, the addition of new claims 18 and 19 and the merit of Applicant's remarks regarding claims 18 and 19 are sufficient to place the application in a condition for allowance as set forth hereinbelow.

### *Allowable Subject Matter*

2. Claims 1-3, 7-9, 13-16 and 18-19 are allowed.
3. The following is an examiner's statement of reasons for allowance:  
  
Relative to claims 1, 7 and 13, the major difference between the teachings of the prior art to record (Pub. No. US 2002/0140643, Sato and USP 6,144,584, Kunori et al.) and that of the instant invention is that said prior art of record **does not teach** a structure wherein the at least conductive layer covering the insulation layer and electrically connected to the source line via openings, such that the conductive layer and at least the part of the source line are connected in parallel; and wherein the source line comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, and the conductive layer comprises at least a conductor located over the branch lines.

Art Unit: 2629

Regarding claim 18 , the major difference between the teachings of the said prior art to record and that of the instant invention is that said prior art of record **does not teach** a structure wherein the source line comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, and the conductive layer comprises at least a conductor located over the major source line.

Regarding claim 19 , the major difference between the teachings of the said prior art to record and that of the instant invention is that said prior art of record **does not teach** a structure with an insulation lay on the source line, the insulation layer having a plurality of openings exposing the source line; and a conductive layer covering the insulation layer and electrically connected to the source line via the openings such that the conductive layer and at least the part of the source line are connected parallel.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.

Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No.	6,380,636	Tatsukawa et al
Pub. No.	US 2004/00117162	Sato et al..

Art Unit: 2629

***To Respond***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E. Kovalick whose telephone number is 571-272-7669. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Vincent E. Kovalick  
March 16, 2007



BIPIN SHALWALA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600